

Click on images  
to enlarge.

# U.S. Army Influenza Activity Report

Week Ending 24 November 2012 (Week 47)

## 2012-2013 Seasonal Influenza Vaccination Coverage

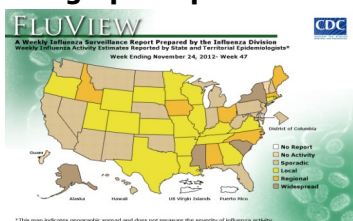
As of 27 NOV 2012

89%	DOD
90%	Army Active Duty
80%	Army Guard
67%	Army Reserve

**SYNOPSIS:** Influenza activity has increased over the past two weeks, yet overall influenza and influenza-like illness (ILI) activity remains at baseline in US Army and civilian populations.

- ILI Activity:** Army incident ILI outpatient visits in week 47 were 12% higher than the same week last year.
- Influenza cases:** Eighteen hospitalized influenza cases have been reported in DRSi this influenza season, but some represent emergency room visits.
- Acute Respiratory Disease at BCT sites:** ARDS rates remain lower at all Army BCT sites compared to the same period last year.
- Viral specimens:** During week 47, 127 of 602 (21%) clinical specimens tested were positive for respiratory pathogens. Influenza A was identified in 74 (58%) of these positive samples. Most of the Army influenza positive specimens were from SRMC (50%), primarily Ft. Gordon (51%) and Ft. Stewart (22%).

## Geographic Spread

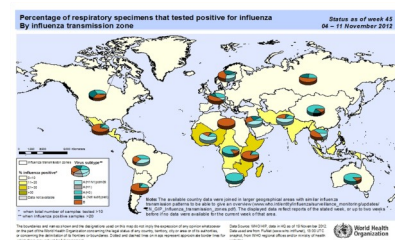


## United States

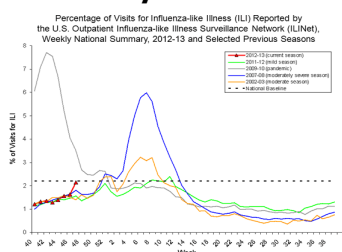
- During week 47, widespread activity was noted in Alabama, Alaska, New York, and South Carolina; 7 states reported regional activity.
- 19 states reported local influenza activity while 18 states and the District of Columbia reported sporadic activity.

## Global

- Globally, A(H3N2) viruses remains the predominant circulating sub-type followed by influenza B and A(H1N1)pdm09 viruses.

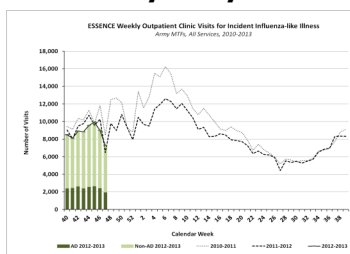


## ILI Activity United States



- For week 47, 2.2% of outpatient visits reported through ILINet were due to ILI, which is at the national baseline.
- The percentage of ILI outpatient visits ranged from 0.9 to 4.2% across regions.
- 5 out of 10 regions reported percentages above the national baseline.

## ILI Activity Army



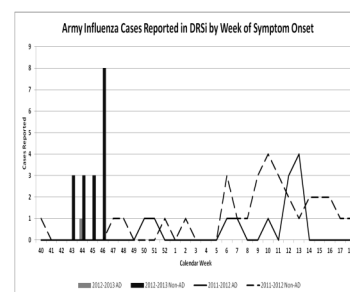
- In week 47, incident ILI activity is 12% higher than the same week last season.
- Active Duty Service Members accounted for 28% of incident ILI clinic visits during week 47. In the 2011-2012 season, AD SMs comprised 33% of ILI clinic visits on average.

## Laboratory Respiratory Specimen Testing

Army MTF Laboratory Results, 2012-13					
Test Result	Week 44	Week 45	Week 46	Week 47	Total
Influenza A	44	54	48	74	220
Influenza B	1	5	3	6	15
Adenovirus	3	7	6	2	18
Enterovirus	1	0	1	0	2
Parainfluenza	17	19	13	12	61
RSV	17	32	45	33	127
Negative	417	450	425	475	1767
Total Results	500	567	541	602	1608

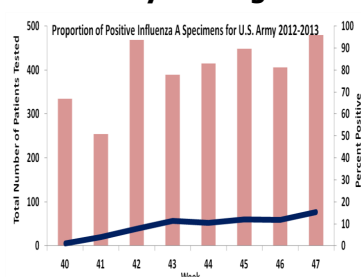
- 21% of respiratory specimens were positive during week 47.
- Influenza A accounted for 58% of positive specimens.
- RSV accounted for 26% of positive specimens and parainfluenza accounted for 9%.
- 5% of specimens were positive for Influenza B; only 2% were positive for adenovirus.

## DRSi Influenza Case Reporting



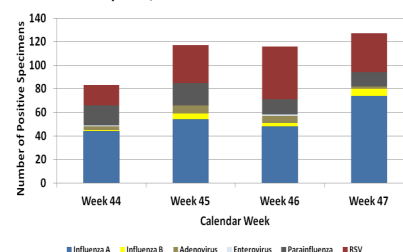
- Seven cases of hospitalized influenza were reported in DRSi in week 47. Review of some cases showed they were ER visits that did not meet the reporting standard.
- ER and outpatient clinic visits that do not result in a hospital admission should not be reported as confirmed cases in DRSi.

## Laboratory Testing for Influenza A



- The proportion of positive influenza A tests increased slightly in week 47 (15.4%), but has remained relatively stable since week 43.
- 61 of the 74 (82%) positive influenza A specimens were from non-Active Duty personnel.
- 37 (50%) of the 74 positive influenza A specimens were from SRMC, 22 (30%) were from NRMCC, and 13 (18%) were from WRMC.
- PRMC had two positive specimens. ERMC had no positive influenza A specimens.

## Positive Respiratory Specimen Results from Army MTFs by Virus, 2012-2013 Influenza Season



**Additional Resources:** Army Influenza Reports; ARD Reports; AFHSC Influenza Reports; NHRC FRI Reports; DoD Global Influenza Surveillance Program; DoD Pandemic Influenza Watchboard; CDC; WHO

**Key:** ILI-Influenza-Like Illness; DRSi- Disease Reporting System Internet; ARD-Acute Respiratory Disease; NHRC- Naval Health Research Center; ADV-Adenovirus; RSV-Respiratory Syncytial Virus; DEP- Disease Epidemiology Program; SM-Service Member

## Questions?

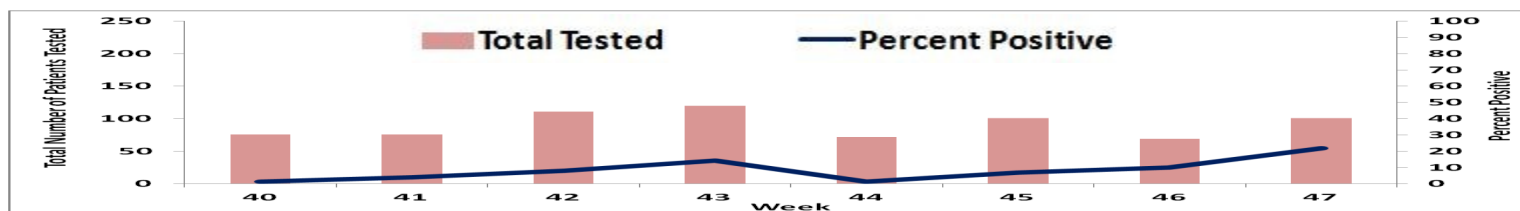
Email [USAPHC-DEP](mailto:USAPHC-DEP)  
410-417-3774



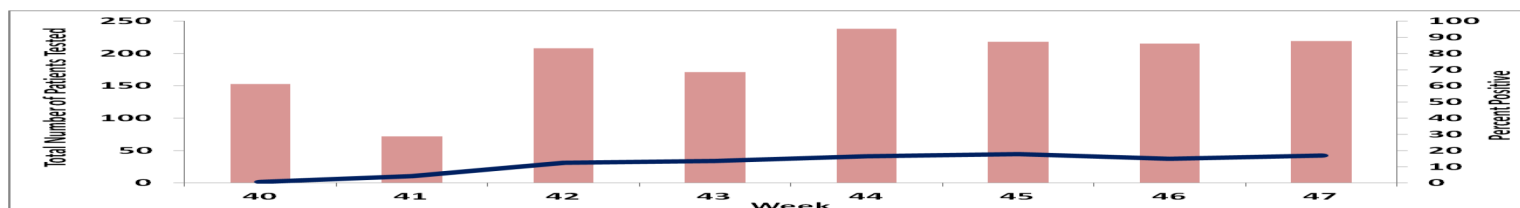
# U.S. Army Influenza Activity Report

Proportion of Influenza A Positive Specimens by Week and Region, Army Medical Laboratories, 2012-13

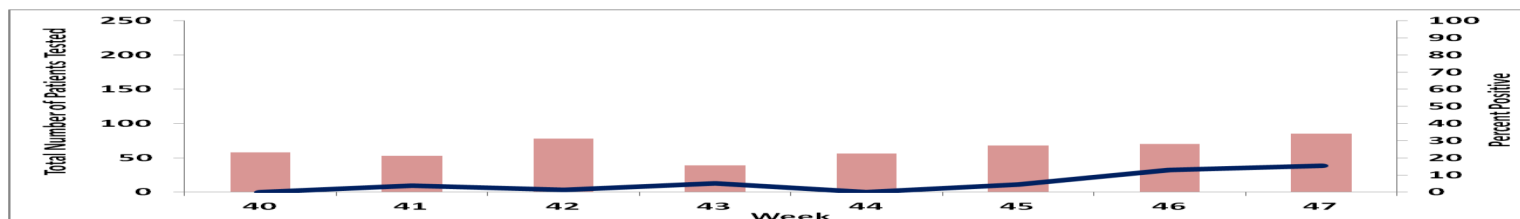
## Northern Regional Medical Command (NRMC)



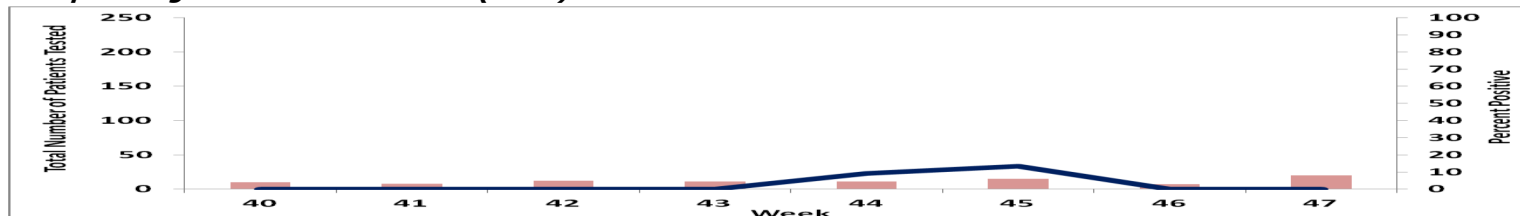
## Southern Regional Medical Command (SRMC)



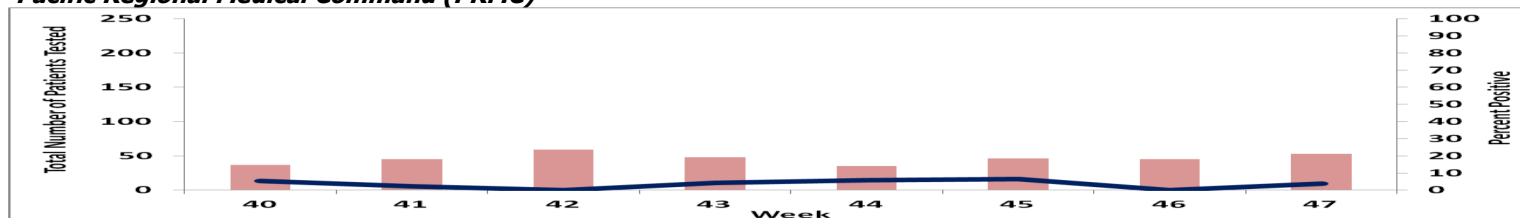
## Western Regional Medical Command (WRMC)



## European Regional Medical Command (ERMC)



## Pacific Regional Medical Command (PRMC)



Number of Positive Influenza A Specimens by Duty Status and Region

Region	Week 40		Week 41		Week 42		Week 43		Week 44		Week 45		Week 46		Week 47	
	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD
NRMC	1	0	0	3	2	7	2	15	1	0	0	7	0	7	5	17
SRMC	0	1	1	2	5	21	4	19	5	34	10	29	6	26	6	31
WRMC	0	0	0	2	1	0	1	1	0	0	1	2	0	9	0	13
ERMC	0	0	0	0	0	0	0	0	1	0	1	1	0	0	0	0
PRMC	0	2	0	1	0	0	0	2	0	2	0	3	0	0	2	0

**Locations providing week 47 laboratory data as of 14 November 2012:** Korea, Ft Belvoir, Ft Benning, Ft Bliss, Ft Bragg, Ft Campbell, Ft Carson, Ft Eustis, Ft Gordon, Ft Hood, Ft Irwin, Ft Jackson, Ft Knox, Ft Leavenworth, Ft Lee, Ft Leonard Wood, Ft Lewis, Ft Meade, Ft Polk, Ft Riley, Ft Rucker, Ft Sam Houston, Ft Sill, Ft Stewart, Ft Wainwright, Landstuhl, Redstone Arsenal, and Tripler.

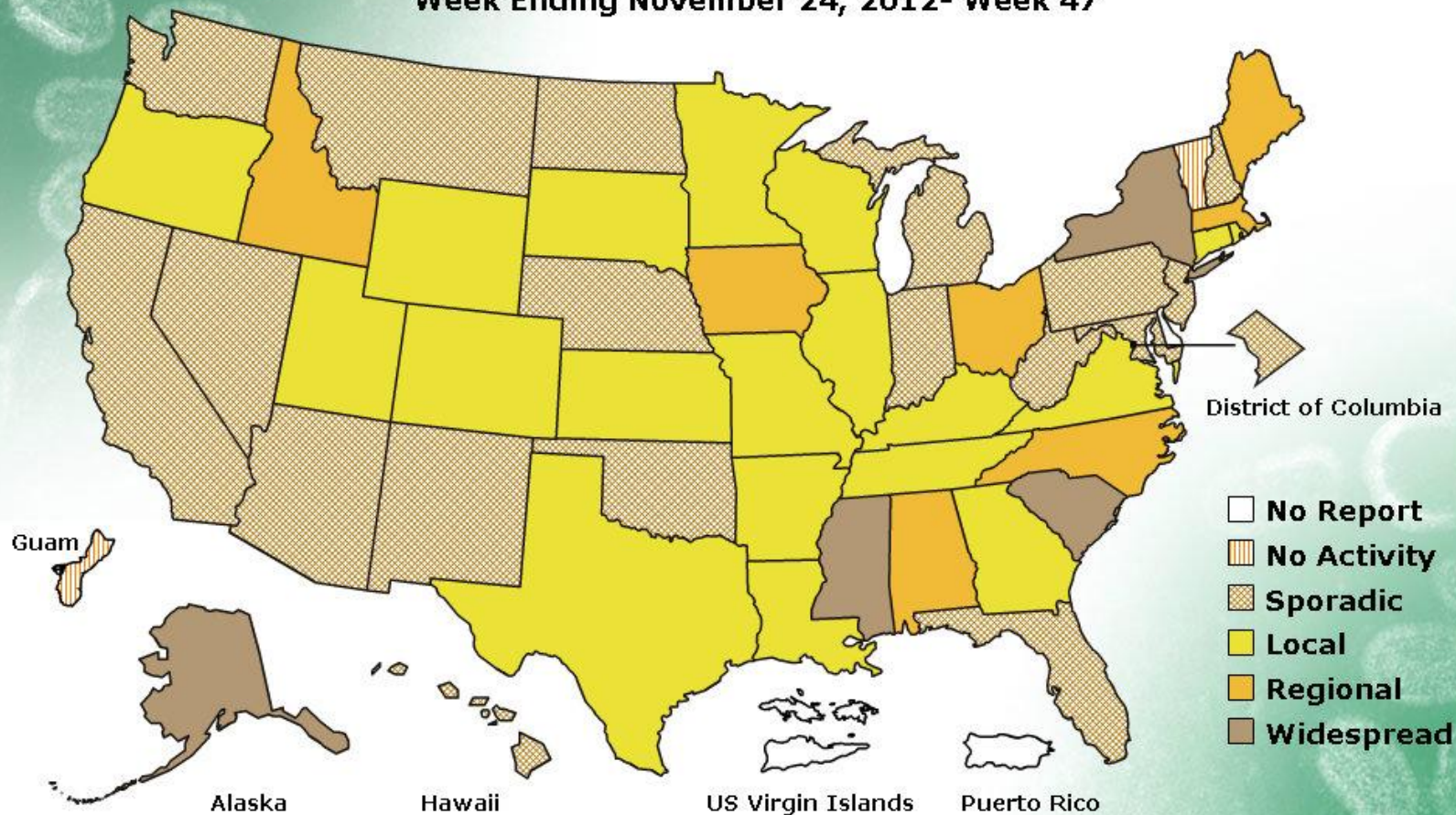


# FLUVIEW



**A Weekly Influenza Surveillance Report Prepared by the Influenza Division**  
**Weekly Influenza Activity Estimates Reported by State and Territorial Epidemiologists\***

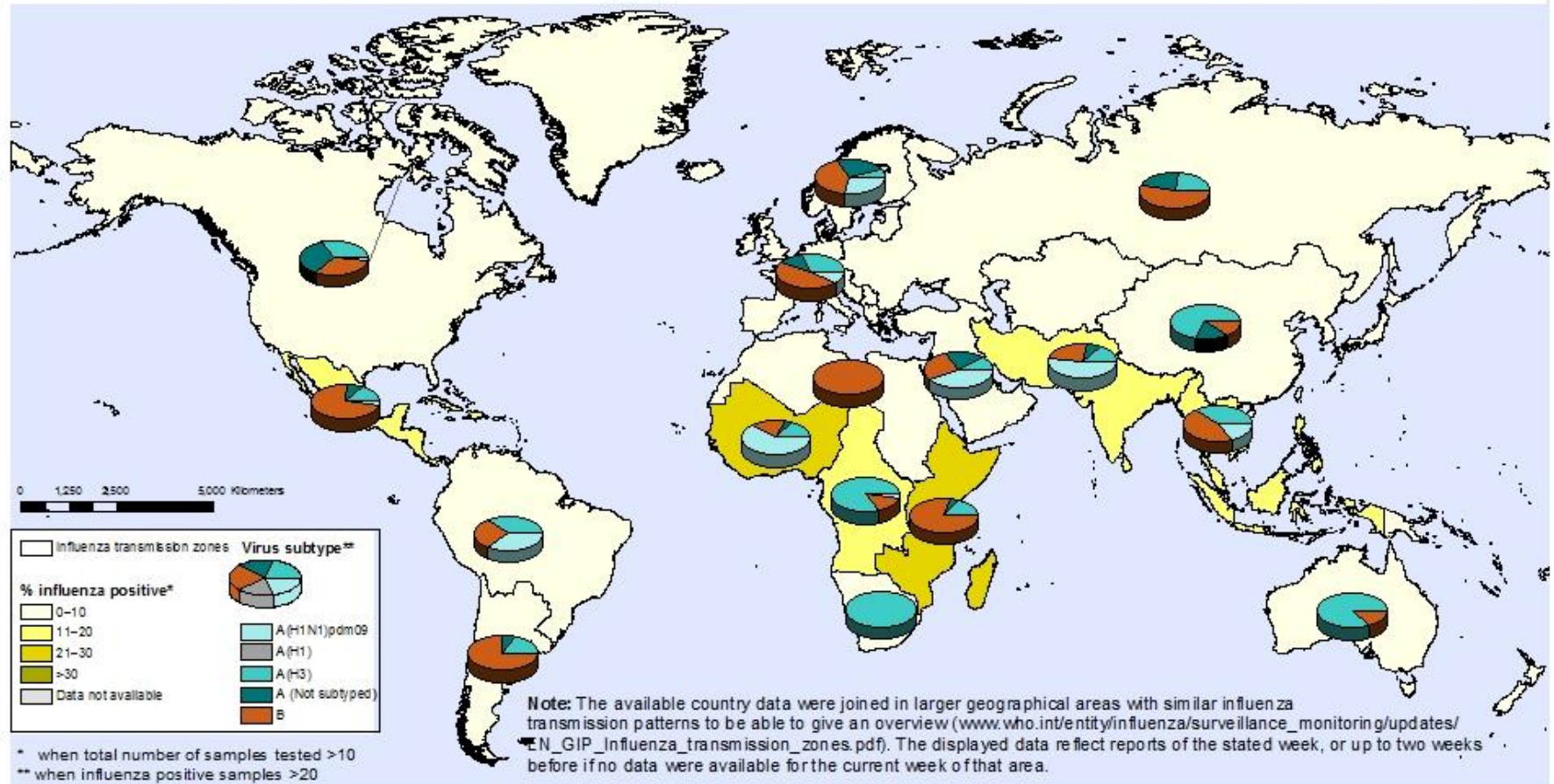
**Week Ending November 24, 2012- Week 47**



\*This map indicates geographic spread and does not measure the severity of influenza activity.

# Percentage of respiratory specimens that tested positive for influenza By influenza transmission zone

Status as of week 45  
04 – 11 November 2012

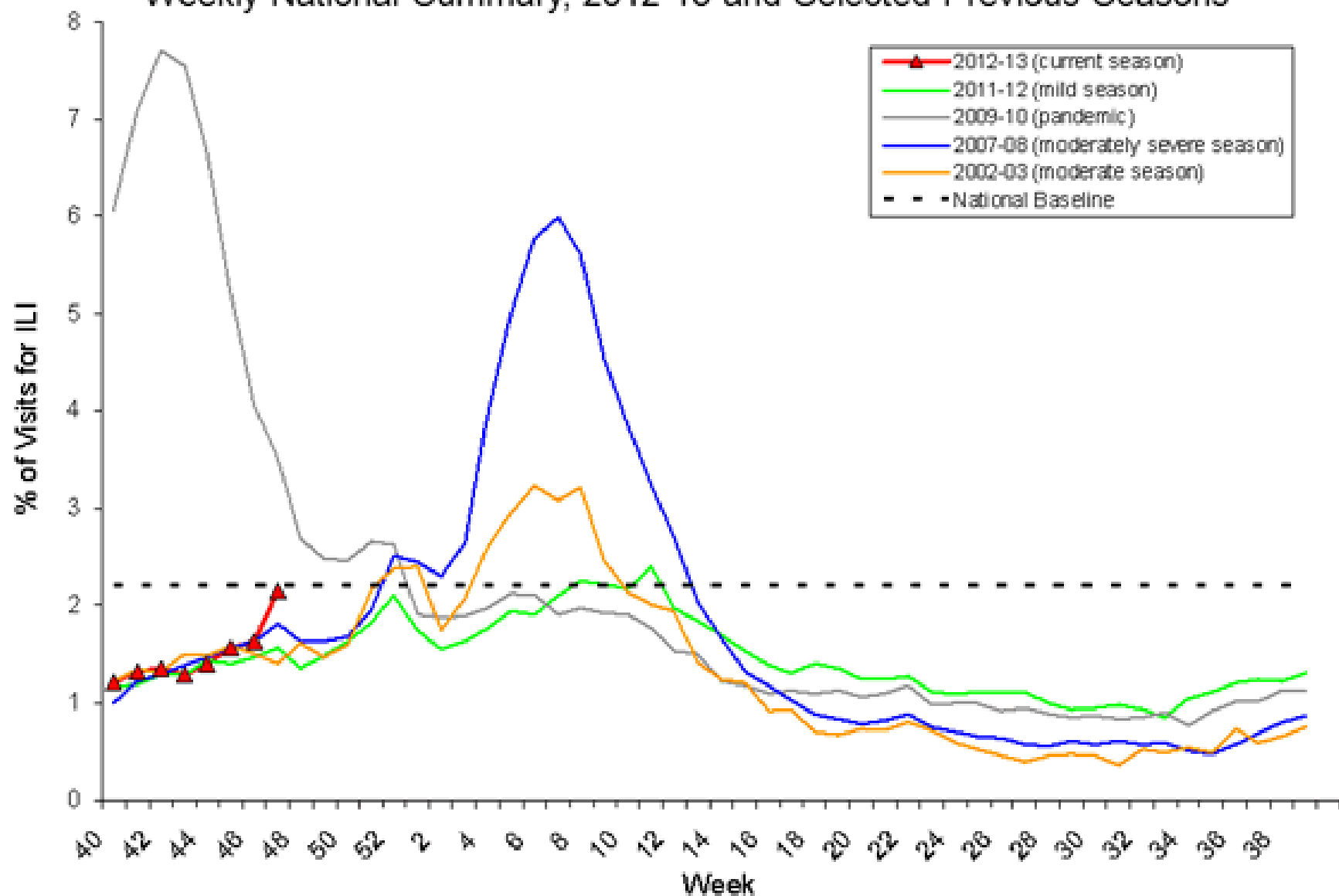


The boundaries and names shown and the designations used on this map do not imply the expression of any opinion whatsoever on the part of the World Health Organization concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries. Dotted and dashed lines on maps represent approximate border lines for which there may not yet be full agreement.

Data Source: WHO/HIP, data in HQ as of 19 November 2012.  
Data used are from FluNet ([www.who.int/fluNet](http://www.who.int/fluNet)), 13:00 UTC snapshot, from WHO regional offices and/or ministry of health websites.

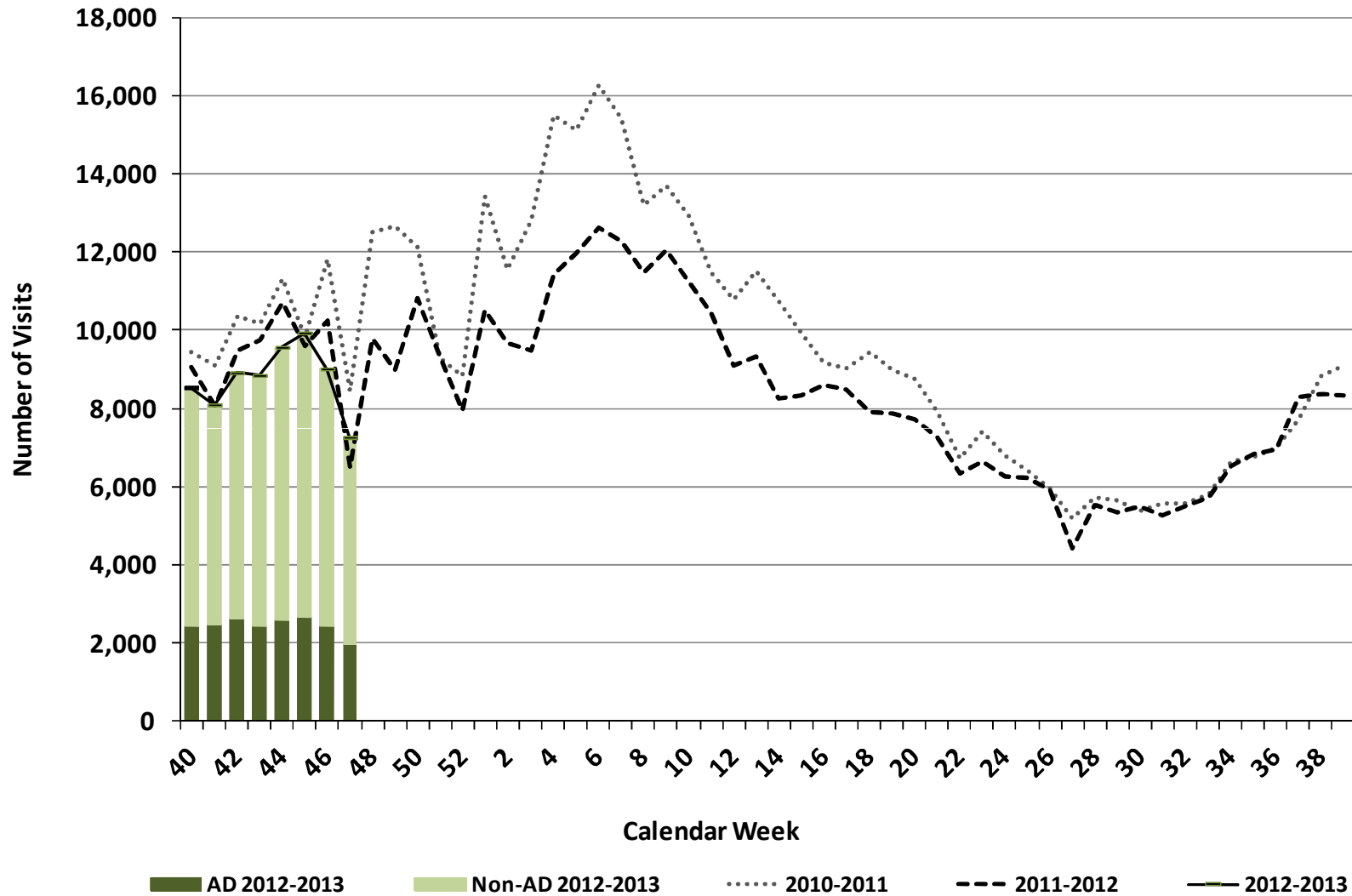


Percentage of Visits for Influenza-like Illness (ILI) Reported by the U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet), Weekly National Summary, 2012-13 and Selected Previous Seasons



## ESSENCE Weekly Outpatient Clinic Visits for Incident Influenza-like Illness

*Army MTFs, All Services, 2010-2013*

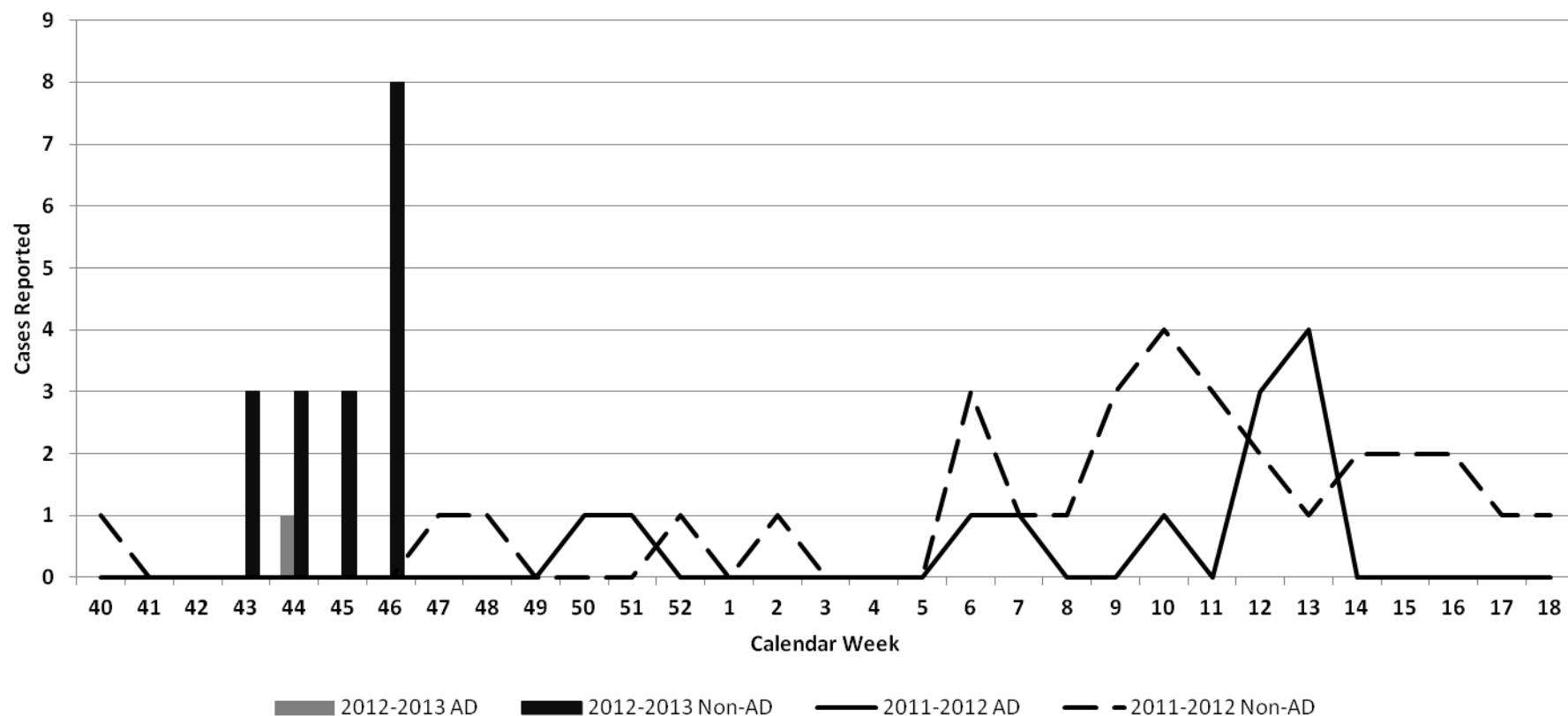


*Clinic visits for ILI are obtained from ESSENCE. Data as of 29 November 2012.*

## Army MTF Laboratory Results, 2012-13

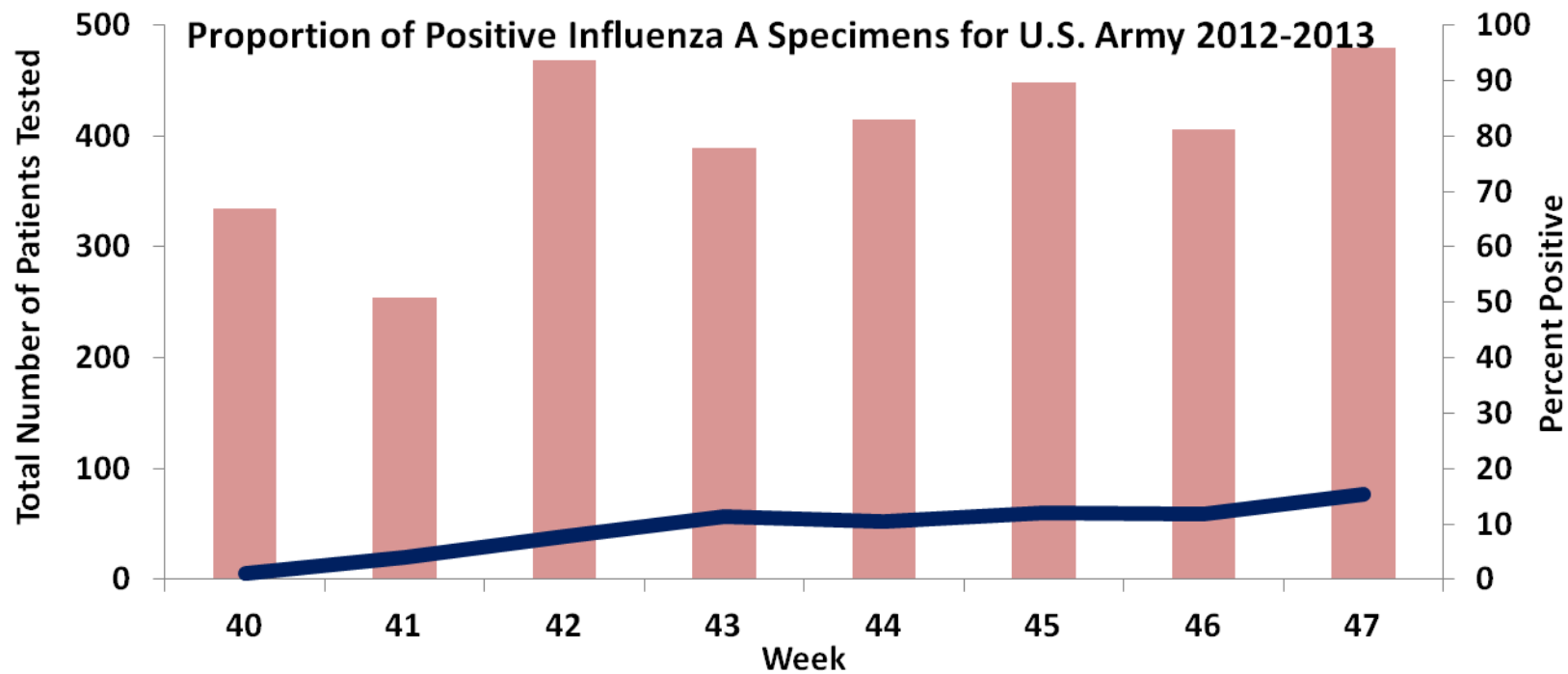
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<b>Total Results</b>	<b>500</b>	<b>567</b>	<b>541</b>	<b>602</b>	<b>1608</b>

## Army Influenza Cases Reported in DRSi by Week of Symptom Onset



**Note:** Reportable influenza cases are defined as only cases that have been hospitalized and are under the age of 65. See [Armed Forces Reportable Medical Events Guidelines and Case Definitions](#) for more information  
Data as of 14 November 2012.





## Positive Respiratory Specimen Results from Army MTFs by Virus, 2012-2013 Influenza Season

